

CHAPTER 7

Library Resources and Technology

This chapter contains statistics on libraries and on the use of information technologies. These data show the extent of America's access to information technologies outside of formal classroom activities. The data also provide a capsule description of the magnitude and availability of library resources. Access to information has been widely cited as the key to success in a growing number of endeavors. Thus, how information is made available and to whom become matters of concern.

The first section of the chapter has tables dealing with public libraries, public and private school libraries, and college and university libraries. They contain data on collections, population served, staff, and expenditures. Two tables provide institutional-level information for the largest public libraries and the largest college libraries in the country.

The second half of the chapter provides information on the availability and use of technology. For example, the proportion of children using computers at school may be compared over time. Also included are data on the use of home computers by adults and school children, with comparisons among various demographic groups.

Related data may be found in various sections of this report. For example, statistics on the number of degrees conferred in computer and information sciences and library sciences are in chapter 3. Further information on survey methodologies are in the "Guide to Sources" and in the publications cited in the source notes.

Resources

In 1990–91, 96 percent of all public schools and 87 percent of all private schools had libraries or media centers. About 59,000 librarians and 41,000 library aides provided service in public schools during the 1990–91 school year. There was an average of 931 students per librarian at public elementary schools and 1,052 students per librarian at public secondary schools. At private elementary schools, there was an average of 636 students per librarian (table 409).

In 1993, there were 8,929 public libraries in the United States with 656 million books and serial volumes. The annual attendance per capita was 4.0 and

the reference transactions per capita was 1.1 (table 415).

Technology

The use of computers has become widespread in the workplace. In October 1993, 46 percent of all workers used computers on the job. More frequent use of computers was associated with higher levels of education and higher incomes. Only 34 percent of the high school graduates and 10 percent of the high school dropouts used computers compared to 71 percent of those with master's degrees. Among those who did use computers, the master's degree recipients were more likely to use the computers for a wider variety of applications than high school graduates. The most common uses of computers on the job were: bookkeeping/invoicing (45 percent), word processing (44 percent), communications (39 percent), analysis/spreadsheets (36 percent), and data bases (35 percent). Workers in the 25- to 49-year-old age range were more likely to use computers than younger or older workers. Elementary and secondary teachers were less likely to use computers than persons employed in other managerial or professional fields (table 416).

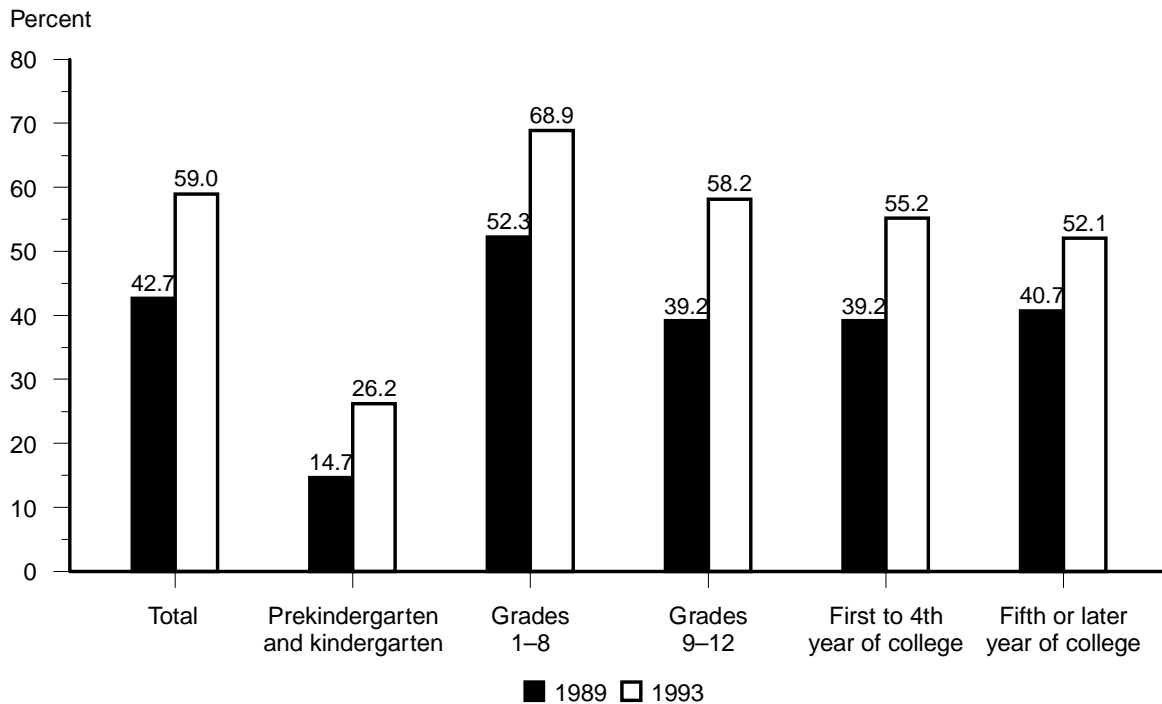
The total computer usage rate of students at school increased from 27 percent in 1984, to 43 percent in 1989, to 59 percent in October 1993. The rate at the 1–8 grade level increased from 52 percent in 1989 to 69 percent in 1993. The computer usage rate in 1993 was 58 percent for students in high school and 55 percent for students in college. Sizeable percentages of students used computers at home, though fewer actually used them for schoolwork. About 25 percent of elementary school children used computers at home and about 11 percent used them for schoolwork. Students at the high school and undergraduate level were about twice as likely as the elementary school children to use home computers for schoolwork. In general, students in higher income families were more likely to use computers at home and use them for schoolwork than were students from lower income families. About 13 percent of the high school students in the \$25,000 to \$29,999 household income group used computers at home for school work compared to 45 percent in the \$75,000 and over income group (table 418).

Expenditures

Total expenditures for college libraries rose by 30 percent between 1988–89 and 1993–94. However,

the proportion of college budgets spent on libraries fell slightly from 2.4 percent in 1988–89 to 2.3 percent in 1993–94 (table 333).

**Figure 32.-Student use of computers at school, by level of instruction:
October 1989 and 1993**



SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1989 and 1993, and unpublished data.

Table 409.—Selected statistics of public and private school libraries/media centers, by level and size of school: 1990-91

School level and size	Public schools						Private schools			
	Number of library/media centers	Percent of schools with library/media centers	Librarians and other professional media staff		Library/media center aides	Number of library/media centers	Percent of schools with library/media centers	Librarians and other professional media staff		Library/media center aides
			Number	Student/staff ratio				Number	Student/staff ratio	
1	2	3	4	5	6	7	8	9	10	11
All schools	76,545	95.8	58,738	967	41,480	21,431	86.8	9,497	492	4,341
Fewer than 300 pupils	22,032	89.5	9,603	600	6,974	16,897	84.1	5,058	459	2,337
300 to 499 pupils	22,733	98.0	16,607	863	10,779	2,876	98.4	2,085	534	993
500 to 699 pupils	16,032	99.1	13,801	1,026	9,266	988	99.8	1,115	526	530
700 to 999 pupils	9,343	99.1	9,265	1,108	7,017	459	98.3	747	505	282
1,000 to 1,999 pupils	5,736	98.9	8,317	1,169	6,554	211	100.0	492	556	199
2,000 or more pupils	669	100.0	1,145	1,886	890	(¹)	(¹)	(¹)	(¹)	(¹)
Elementary	54,387	96.9	36,803	931	26,950	13,296	86.1	4,159	636	2,653
Fewer than 300 pupils	15,250	92.1	6,123	613	4,907	11,017	84.0	2,767	593	1,710
300 to 499 pupils	18,657	98.6	12,980	856	8,870	1,765	98.0	917	734	720
500 to 699 pupils	12,848	99.3	10,534	1,051	7,221	411	99.5	327	741	173
700 to 999 pupils	6,039	99.3	5,380	1,177	4,211	103	92.8	148	597	50
1,000 or more pupils	1,593	97.7	1,786	1,117	1,741	—	—	—	—	—
Secondary	18,705	94.8	19,441	1,052	13,019	2,301	94.1	2,355	377	805
Fewer than 300 pupils	4,925	86.7	2,621	596	1,468	1,184	89.1	868	203	174
300 to 499 pupils	3,284	95.7	2,987	840	1,640	497	100.0	562	347	150
500 to 699 pupils	2,835	98.3	2,904	938	1,823	286	100.0	369	459	238
700 to 999 pupils	3,055	98.6	3,582	1,007	2,583	191	100.0	266	578	100
1,000 to 1,999 pupils	3,937	99.4	6,202	1,181	4,615	143	100.0	290	664	143
2,000 or more pupils	669	100.0	1,145	1,886	890	(¹)	(¹)	(¹)	(¹)	(¹)
Combined	3,453	85.4	2,494	877	1,511	5,834	85.8	2,983	383	883
Fewer than 300 pupils	1,857	78.1	859	505	599	4,696	83.1	1,423	357	453
300 to 499 pupils	792	93.0	640	1,251	269	614	98.2	606	404	123
500 to 699 pupils	349	100.0	363	929	222	291	100.0	419	416	119
700 to 999 pupils	249	97.6	303	961	223	165	100.0	333	406	132
1,000 or more pupils	206	99.5	329	1,339	198	68	100.0	202	401	56

¹Data reported under 1,000 to 1,999 category.

—Data not available.

NOTE.—Data are derived from a sample survey and are subject to sampling error. Because of rounding, details may not add to totals.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Schools and Staffing Survey." (This table was prepared April 1994.)

Table 410.—Percent of public schools having access to selected telecommunication capabilities, by location of access site and level of school: 1994 and 1995

Telecommunications capabilities	Percent of schools having access	Percent of schools with telecommunications access, by location ¹				
		Administrative offices	Teacher workrooms	Classrooms	Computer labs	Library/media centers
1	2	3	4	5	6	7
All public schools, 1994						
Computer with any telecommunication capabilities via local area network	56	67	17	38	59	60
Computer with any telecommunication capabilities via modem	57	55	9	28	38	56
Broadcast television	70	36	31	83	41	84
Cable television	74	31	24	70	39	85
Closed circuit television	25	49	31	94	59	89
Two-way video with 2-way audio	6	27	14	63	21	61
One-way video with two-way audio or computer link	10	28	14	58	36	67
All public schools, 1995						
Computer with any telecommunication capabilities via local area network	77	73	20	45	71	64
Computer with any telecommunication capabilities via modem	76	61	10	30	41	64
Computer with any telecommunication capabilities via wide area network	61	58	14	35	41	68
Broadcast television	71	35	28	82	47	88
Cable television	76	33	25	72	42	91
Closed circuit television	28	50	32	91	60	89
Two-way video with 2-way audio	13	24	17	57	37	69
One-way video with two-way audio or computer link	7	26	15	63	41	54

¹ Location estimates are based on those schools having access to each type of telecommunication capability. Percents of schools reporting telecommunication locations do not sum to 100 because many schools have access in more than one location.

NOTE.—Data are derived from a sample survey and are subject to sampling error.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Survey on Advanced Telecommunications in U.S. Public Schools, K-12*; and *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*. (This table was prepared September 1996.)

Table 411.—Percent of public schools and school classrooms having access to the Internet, by school characteristics: 1994 and 1995

School characteristics	Estimated number of schools, 1995	Percent of schools having access to Internet		Percent of instructional rooms ¹ having access to Internet		Mean number of all computers, ² per school 1995	Percent of computers ² with Internet access, 1995	Number of computers ² with Internet access in schools with Internet access				
		1994	1995	1994	1995			Mean number of computers, 1995	Percent distribution of computers, 1995			
									1 computer	2 to 5 computers	6 to 9 computers	10 or more computers
1	2	3	4	5	6	7	8	9	10	11	12	13
All public schools	77,853	35	50	3	9	72	14	12	35	38	6	21
Instructional level ³												
Elementary	57,705	30	46	3	10	60	13	9	40	37	5	18
Secondary	18,083	49	65	4	8	112	13	16	25	39	9	27
Size of enrollment												
Less than 300	20,673	30	39	3	11	41	15	7	34	42	8	16
300 to 999	50,044	35	52	3	10	71	15	12	38	35	6	21
1,000 or more	7,136	58	69	3	4	164	8	15	19	45	5	31
Metropolitan status												
City	17,906	40	47	4	8	84	11	11	29	39	6	26
Urban fringe	18,464	38	59	4	8	83	13	12	38	34	6	22
Town	19,539	29	47	3	10	72	16	14	36	35	6	22
Rural	21,944	35	48	3	10	54	14	9	36	42	6	16
Percent of students eligible for free or reduced-price lunch												
Less than 11 percent	13,192	—	62	—	9	77	15	14	29	38	6	26
11 to 30 percent	21,876	—	59	—	10	78	15	13	35	33	7	25
31 to 70 percent	28,017	—	47	—	8	68	12	9	40	40	5	15
71 percent or more	14,651	—	31	—	5	65	10	9	32	43	4	21

¹ Includes all classrooms, computer labs, and library/media centers.

² Includes computers used for instructional or administrative purposes.

³ Excludes combined elementary/secondary schools because of small sample size.

—Data not available.

NOTE.—Data are derived from a sample survey and are subject to sampling error. Details may not add to totals because of rounding for weighted estimates.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Survey on Advanced Telecommunications in U.S. Public Schools, K-12*; and *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*. (This table was prepared September 1996.)

Table 412.—General statistics of college and university libraries: 1974–75 to 1991–92

Item	1974–75 ¹	1975–76 ¹	1976–77 ¹	1978–79 ¹	1981–82	1984–85	1987–88	1991–92
1	2	3	4	5	6	7	8	9
Number of libraries	2,972	2,987	3,058	3,122	3,104	3,322	3,438	3,274
Total enrollment, in thousands ²	10,322	11,291	11,121	11,392	12,372	12,242	12,767	14,359
Full-time-equivalent enrollment, in thousands ²	7,805	8,480	8,313	8,348	9,015	8,952	9,230	10,361
Collections, thousands of units								
Number of volumes at end of year	447,059	468,033	481,442	519,895	567,826	631,727	718,504	749,429
Number of volumes added during year	23,242	22,977	22,367	21,608	19,507	20,658	21,907	20,982
Number of serial subscriptions ³	4,434	4,618	4,670	4,775	4,890	6,317	6,416	6,966
Library staff, in full-time equivalents								
Total staff in regular positions ³	56,836	56,852	57,087	58,416	58,476	58,476	67,251	67,166
FTE enrollment per FTE staff	137.3	149.2	145.6	142.9	154.2	153.1	137.2	154.3
Librarians and professional staff	23,530	23,104	23,308	23,676	23,816	21,822	25,115	26,341
Other paid staff	33,306	33,748	33,779	34,740	34,660	38,026	40,733	40,421
Contributed services	—	—	—	—	—	—	1,403	404
Student assistants	—	—	—	—	—	—	33,821	29,075
Hours of student and other assistance, in thou- sands	34,687	36,725	39,950	39,552	40,068	28,360	—	—
Library operating expenditures (excluding capital outlay)								
Operating expenditures, total, in thousands	\$1,091,784	\$1,180,128	\$1,259,637	\$1,502,158	\$1,943,769	\$2,404,524	\$2,770,075	\$3,648,654
Operating expenditures per FTE student	140	139	152	180	216	269	300	352
Operating expenditures per FTE student in constant 1991–92 dollars	373	347	357	363	317	351	358	352
Salaries ⁴	592,568	649,374	698,090	824,438	1,081,894	1,156,138	1,451,551	1,889,368
Hourly wages	61,474	66,175	68,683	79,535	100,847	—	—	—
Fringe benefits	—	—	—	—	—	231,209	—	—
Preservation	22,206	22,375	22,521	25,274	30,351	32,939	34,144	43,126
Collections	327,904	357,544	373,699	450,180	561,199	750,282	891,281	1,197,293
Print materials	—	—	—	—	—	—	—	420,930
Serial subscriptions	—	—	—	—	—	—	—	639,128
Microforms	—	—	—	—	—	—	—	43,666
Audiovisual materials	—	—	—	—	—	—	—	23,879
Machine readable materials	—	—	—	—	—	—	—	29,093
Other collection expenditures	—	—	—	—	—	—	—	40,596
Other library operating expenditures	87,632	84,660	96,643	122,731	169,478	233,957	393,099	518,867
Operating expenditures, total, in percents	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Salaries ⁴	54.3	55.0	55.4	54.9	55.7	48.1	52.4	51.8
Hourly wages	5.6	5.6	5.5	5.3	5.2	—	—	—
Fringe benefits	—	—	—	—	—	9.6	—	—
Preservation	2.0	1.9	1.8	1.7	1.6	1.4	1.2	1.2
Collections	30.0	30.3	29.7	30.0	28.9	31.2	32.2	32.8
Other library operating expenditures	8.0	7.2	7.7	8.2	8.7	9.7	14.2	14.2
Library operating expenditures as percent of total institutional expenditures for educational and general purposes	3.9	3.8	3.8	3.7	3.5	3.4	3.2	3.0

¹ Includes data for U.S. territories.² Fall enrollment for the academic year specified.³ Data are for end of year.⁴ Includes expenditures for fringe benefits (except for 1984–85 and 1987–88) and salary equivalents of contributed services staff.

—Data not available.

NOTE.—Because of rounding, details may not add to totals.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Library Statistics of Colleges and Universities*, various years; and Integrated Postsecondary Education Data Survey, "Academic Library Survey." (This table was prepared August 1995.)

Table 413.—Selected statistics on the collections, staff, and operating expenditures of 50 large college and university libraries: 1988

Institution	Rank order, by number of volumes	Number of volumes at end of year, in thousands	Full-time-equivalent staff		Operating expenditures, in thousands	
			Total	Professional	Total	Salaries and wages
1	2	3	4	5	6	7
Harvard University (Mass.)	1	11,497	1,049	325	\$37,196	\$20,464
Yale University (Conn.)	2	9,144	707	195	32,010	12,584
University of Illinois, Urbana Campus	3	7,377	536	146	16,337	8,662
University of California, Berkeley	4	7,191	740	168	27,524	17,620
University of Michigan, Ann Arbor	5	6,133	677	143	21,621	10,693
University of Texas, Austin	6	5,889	584	136	17,463	9,436
University of California, Los Angeles	7	5,812	711	209	28,447	15,800
Columbia University, Main Division (N.Y.)	8	5,741	641	166	22,196	12,082
University of Chicago (Ill.)	9	4,865	349	74	13,954	6,217
University of Wisconsin, Madison	10	4,804	504	139	18,161	9,754
University of Minnesota, Twin Cities	11	4,651	484	122	17,740	8,824
Indiana University, Bloomington	12	4,530	431	104	11,486	6,618
Ohio State University, Main Campus	13	4,254	454	118	15,784	8,444
Cornell University (N.Y.)	14	4,189	414	120	12,986	6,915
Princeton University (N.J.)	15	4,071	375	105	15,660	8,038
Rutgers University, New Brunswick (N.J.)	16	4,054	384	82	14,948	8,351
University of Washington	17	3,724	447	109	14,350	7,786
Duke University (N.C.)	18	3,669	320	94	12,178	6,012
University of Arizona	19	3,622	328	84	10,943	5,453
University of North Carolina, Chapel Hill	20	3,520	413	117	15,884	7,686
University of Pennsylvania	21	3,500	368	108	13,780	7,400
Michigan State University	22	3,302	331	78	11,517	5,900
Stanford University (Calif.)	23	3,187	407	80	18,213	10,488
University of Southern California	24	3,170	344	64	11,860	7,390
University of Virginia, Main Campus	25	3,003	343	96	14,119	6,703
New York University	26	2,988	361	108	15,550	7,593
University of Iowa	27	2,931	274	86	11,491	5,718
University of Pittsburgh, Main Campus (Penn.)	28	2,713	342	83	10,110	5,310
University of Florida	29	2,702	405	106	12,954	7,278
University of Georgia	30	2,688	322	76	10,428	4,984
University of Rochester (N.Y.)	31	2,598	231	61	8,820	3,678
University of Kansas, Main Campus	32	2,585	260	77	9,061	4,251
Northwestern University (Ill.)	33	2,574	288	79	8,979	5,321
State University of New York, Buffalo, Main Campus ..	34	2,493	272	90	10,703	5,500
University of California, Santa Barbara	35	2,476	247	62	10,334	5,882
Southern Methodist University (Texas)	36	2,415	141	49	5,619	2,404
University of Missouri, Columbia	37	2,411	235	56	6,601	3,617
University of Oklahoma, Norman Campus	38	2,396	209	55	5,192	2,267
University of Hawaii, Manoa	39	2,365	247	73	8,587	4,925
Louisiana State U. & A&M & Hebert Laws Center	40	2,343	283	62	7,983	3,949
Johns Hopkins University (Md.)	41	2,330	308	82	12,007	5,756
Arizona State University	42	2,315	366	95	12,510	5,457
University of Delaware	43	2,296	220	57	7,655	3,093
Purdue University, Main Campus (Ind.)	44	2,242	268	59	7,966	4,102
Wayne State University (Mich.)	45	2,234	266	74	10,395	4,457
University of California, Davis	46	2,227	320	68	14,989	7,619
Syracuse University, Main Campus (N.Y.)	47	2,217	271	68	8,106	3,821
University of Colorado, Boulder	48	2,186	222	50	7,805	4,235
Massachusetts Institute of Technology	49	2,181	265	87	9,443	5,097
Washington University (Missouri)	50	2,170	230	66	9,558	3,853

SOURCE: U.S. Department of Education, National Center for Education Statistics, unpublished data. (This table was prepared May 1993.)

Table 414.—General statistics of public libraries, by population of legal service area: 1993

Item	Population of legal service area						
	Total	Under 10,000	10,000 to 49,999	50,000 to 99,999	100,000 to 249,999	250,000 to 499,999	500,000 and over
1	2	3	4	5	6	7	8
Number of public library service outlets	16,939	5,746	4,131	1,833	2,061	1,144	2,013
Central libraries	8,887	5,415	2,494	495	316	85	71
Branch libraries	7,017	251	1,281	1,115	1,553	981	1,836
Bookmobiles	1,035	80	356	223	192	78	106
Collections, in thousands							
Books and serial volumes ¹	655,919	90,749	160,126	81,040	93,297	70,891	159,816
Audio and video materials and films	30,479	2,903	7,282	3,925	4,401	3,017	8,948
Serial subscriptions	1,776	259	449	210	234	162	461
Paid staff, in full-time equivalents							
Librarians	37,349	5,404	9,586	4,686	5,178	3,811	8,685
Librarians with ALA-MLS ²	24,825	995	5,589	3,297	3,899	3,197	7,848
Other staff	74,560	4,801	17,473	10,167	12,196	9,061	20,861
Finances, in thousands							
Total operating income	\$5,068,950	\$334,846	\$1,137,033	\$660,076	\$779,154	\$630,148	\$1,527,693
Source of income	Percentage distribution						
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Federal	1.1	1.3	0.8	0.9	1.2	1.2	1.4
State	12.5	9.4	10.8	12.7	10	12.3	15.7
Local	78.0	74.5	79.5	79.5	81.7	80.8	73.9
Other	8.4	14.9	8.9	6.9	7.1	5.7	9.1

¹ Some data are different from other tables due to a different population base.² ALA-MLS=A master's degree from a graduate library education program accredited by the American Library Association (ALA).

NOTE.—Because of rounding, details may not add to totals. Totals may be underestimated due to nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: 1993*. (This table was prepared July 1996.)**Table 415.—Public libraries, books and serial volumes, annual attendance, and reference transactions, by state: 1993**

State	Number of public libraries	Number of books and serial volumes ¹ (in thousands)	Number of books and serial volumes per capita	Library visits per capita ²	Circulation per capita ²	Public library reference transactions per capita ³	State	Number of public libraries	Number of books and serial volumes ¹ (in thousands)	Number of books and serial volumes per capita	Library visits per capita ²	Circulation per capita ²	Public library reference transactions per capita ³
1	2	3	4	5	6	7	1	2	3	4	5	6	7
United States	8,929	656,031	2.7	4.0	6.5	1.1							
Alabama	208	7,057	1.9	2.7	3.8	0.5	Missouri	148	18,181	3.9	4.2	8.1	0.9
Alaska	85	1,879	3.1	4.1	6.2	0.7	Montana	83	2,422	3.0	3.6	6.1	0.7
Arizona	39	7,212	2.0	4.6	6.9	1.3	Nebraska	269	4,778	3.8	—	7.9	—
Arkansas	36	4,661	2.1	2.3	4.1	0.4	Nevada	26	2,686	2.0	3.4	5.0	0.8
California	169	59,171	1.9	4.5	5.0	1.4	New Hampshire	229	4,761	4.6	5.5	8.0	0.7
Colorado	120	9,327	2.6	4.4	7.8	1.2	New Jersey	310	28,796	3.8	4.8	5.8	0.8
Connecticut	194	12,794	4.2	6.6	8.2	1.2	New Mexico	69	3,435	3.1	3.9	6.8	0.7
Delaware	29	1,225	1.8	3.2	4.4	0.5	New York	758	68,339	3.8	5.0	6.8	1.3
District of Columbia	1	1,874	3.1	3.7	3.3	2.0	North Carolina	74	13,094	2.0	3.3	5.8	0.8
Florida	100	20,683	1.6	—	4.9	—	Rhode Island	78	1,901	3.5	5.2	6.9	0.6
Georgia	54	13,068	1.9	2.8	4.6	0.6	Ohio	250	39,920	3.6	5.2	11.9	1.6
Hawaii	1	2,985	2.3	2.8	5.4	1.2	Oklahoma	110	5,577	2.2	3.9	6.4	0.9
Idaho	107	2,930	3.3	4.9	7.8	0.8	Oregon	124	6,473	2.4	—	9.4	0.8
Illinois	606	34,265	3.4	5.4	7.6	1.3	Pennsylvania	448	24,140	2.1	2.8	4.7	0.6
Indiana	238	19,141	3.7	5.5	9.9	1.1	Rhode Island	51	3,704	4.0	5.3	6.3	0.0
Iowa	517	10,794	3.9	5.0	9.0	0.6	South Carolina	40	6,088	1.7	2.9	4.1	0.9
Kansas	320	8,825	4.3	4.9	9.3	1.3	South Dakota	113	2,327	4.2	5.2	8.9	—
Kentucky	116	7,068	1.9	2.6	5.3	0.3	Tennessee	137	8,031	1.6	2.7	4.1	0.8
Louisiana	65	9,478	2.2	2.6	4.4	0.6	Texas	498	31,472	2.0	2.9	4.6	1.0
Maine	225	4,831	4.9	5.2	7.6	—	Utah	69	4,561	2.5	—	8.6	—
Maryland	24	13,276	2.7	2.3	9.7	1.1	Vermont	201	2,366	4.8	—	7.2	—
Massachusetts	374	27,770	4.7	—	7.0	—	Virginia	90	15,275	2.5	4.5	7.5	1.0
Michigan	377	23,637	2.5	3.5	5.3	0.8	Washington	70	13,531	2.7	—	10.2	—
Minnesota	132	12,333	2.8	4.6	9.5	1.4	West Virginia	97	4,428	2.4	3.5	4.8	0.9
Mississippi	47	5,065	2.0	2.7	3.2	0.4	Wisconsin	380	16,094	3.2	5.8	8.7	1.1
							Wyoming	23	2,302	4.9	5.3	8.2	0.9

¹ Some data are different from other tables due to a different population base.² The total number of persons entering the library for whatever purpose during the year.³ A reference transaction is an information contact which involves the knowledge, use, recommendations, interpretation or instructions in the use of one or more information sources by a member of the library staff.

—Response rate less than 70 percent.

NOTE.—Totals may be underestimated due to nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: 1993*. (This table was prepared July 1996.)

Table 416.—Percent of workers, 18 years old and over, using computers on the job, by selected characteristics and computer activities: October 1993

Selected characteristics	Percent using computers at work	Number using computers at work, in thousands	Percent of on-the-job computer workers using specific computer applications ¹										
			Analysis/spreadsheets	Book-keeping, invoicing, and inventory	Communications ²	CAD ³	Data bases	Desktop publishing/graphics	Education	Programming	Sales and telemarketing	Word processing	Using 4 or more categories
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Total	45.8	51,106	36.1	45.0	38.7	7.6	34.5	22.3	15.7	13.1	16.2	44.4	40.7
Age													
18 to 24	34.4	4,965	25.0	45.3	27.1	6.0	27.1	15.9	10.4	11.2	19.9	34.7	29.8
25 to 29	48.3	8,424	37.2	45.2	38.7	7.7	35.0	22.8	14.3	13.9	17.0	45.7	41.8
30 to 39	50.7	14,969	38.8	45.4	40.4	8.7	36.0	25.0	15.8	14.9	16.4	45.0	42.9
40 to 49	51.3	13,854	38.6	45.1	42.0	7.9	36.8	23.4	18.5	12.9	14.5	47.5	43.4
50 to 59	43.9	6,881	34.5	44.3	38.8	6.4	33.3	20.4	15.8	11.2	15.0	43.9	39.2
60 or older	27.2	2,014	28.0	42.7	31.6	4.5	27.4	15.0	14.0	9.3	16.9	40.0	33.9
Educational attainment and sex													
Not high school graduate	10.0	1,190	19.1	54.4	20.4	3.8	22.2	9.9	9.6	8.8	20.6	16.0	21.8
High school graduate	34.2	13,307	23.7	52.5	29.4	4.4	25.8	13.3	9.5	8.9	17.6	30.8	29.9
Some college	50.4	11,548	33.5	49.5	38.5	7.3	33.9	20.6	13.0	11.3	18.0	40.9	40.0
Associate degree	58.2	5,274	37.5	47.0	39.7	7.9	34.7	21.7	13.8	14.2	14.9	41.6	40.7
Bachelor's degree	68.8	13,162	46.9	40.0	45.1	10.4	41.5	28.8	19.4	16.7	17.0	54.8	49.2
Master's degree	71.2	4,628	47.9	29.3	48.5	10.0	41.9	35.3	31.0	18.1	10.4	63.8	52.1
Doctor's or professional degree	66.9	1,999	42.8	27.9	45.9	7.6	39.2	28.3	21.3	15.2	5.2	66.5	46.2
Male													
Not high school graduate	8.5	642	20.2	56.0	20.9	5.6	19.8	10.9	9.1	9.6	16.2	12.2	21.1
High school graduate	24.2	4,942	23.4	52.0	24.6	7.2	19.6	12.9	7.7	9.6	17.7	17.3	25.4
Some college	42.8	5,086	35.8	50.4	37.1	10.4	33.4	22.0	12.8	15.6	20.9	32.1	40.0
Associate degree	52.6	2,358	41.8	46.8	39.3	13.3	36.0	26.2	14.7	19.1	16.8	36.6	41.9
Bachelor's degree	69.8	7,324	52.3	42.6	47.1	13.8	43.4	31.6	16.6	21.0	20.9	53.8	53.2
Master's degree	75.4	2,601	56.0	34.1	51.7	13.0	46.8	37.8	25.2	22.5	13.8	63.3	57.2
Doctor's or professional degree	66.5	1,461	45.0	29.2	46.0	8.6	38.7	29.9	20.9	17.9	5.2	63.7	47.9
Female													
Not high school graduate	12.5	547	17.8	52.5	19.9	1.7	25.1	8.7	10.3	7.9	25.8	20.5	22.6
High school graduate	45.2	8,365	23.8	52.8	32.2	2.8	29.4	13.6	10.5	8.6	17.5	38.8	32.5
Some college	58.6	6,461	31.6	48.7	39.7	4.8	34.3	19.4	13.1	8.0	15.7	47.9	40.0
Associate degree	63.7	2,916	34.0	47.1	40.0	3.5	33.6	18.1	13.1	10.2	13.5	45.7	39.6
Bachelor's degree	67.6	5,838	40.2	36.8	42.5	6.1	39.2	25.3	22.9	11.5	12.0	56.1	44.1
Master's degree	66.5	2,027	37.4	23.2	44.3	6.0	35.6	32.1	38.5	12.4	6.0	64.4	45.5
Doctor's or professional degree	68.2	538	36.8	24.1	45.4	4.8	40.8	24.1	22.3	7.7	5.2	74.3	41.5
Race/ethnicity													
White, non-Hispanic	48.7	43,020	37.2	45.8	39.3	7.8	35.2	23.0	15.9	13.4	16.7	45.9	41.8
Black, non-Hispanic	36.2	4,016	27.5	38.3	37.3	5.8	31.2	16.8	15.7	10.9	12.9	35.5	34.1
Hispanic	29.3	2,492	29.1	45.6	32.1	6.5	27.6	18.7	13.3	10.8	16.0	33.6	32.9
Other	43.9	1,578	39.7	39.4	37.2	8.9	33.5	22.6	12.9	15.2	10.2	44.5	39.0
Occupational group													
Managerial and professional specialty	67.7	21,044	46.5	39.3	45.7	10.6	40.3	31.1	22.2	16.7	11.6	56.7	49.7
Executive, administrative, and managerial	72.3	10,645	54.5	54.3	49.0	8.1	44.3	29.6	15.9	14.9	18.4	58.3	55.6
Professional specialty occupations	68.3	7,712	43.2	26.6	45.8	15.4	40.7	33.2	16.1	20.0	5.4	54.2	45.2
Teachers, except college and university	49.1	2,091	18.9	16.4	28.0	5.5	20.1	30.0	69.6	11.2	2.3	52.0	36.2
Teachers, college and university	72.5	597	44.0	15.8	48.9	11.2	33.4	34.9	47.0	23.8	2.2	77.4	51.1
Technical, sales, and administrative support	65.5	22,316	31.2	50.7	36.5	5.1	33.4	17.3	11.9	10.9	22.6	42.0	38.7
Technicians and related support	69.9	2,592	41.5	29.0	38.1	13.1	37.9	21.2	11.0	28.8	4.7	37.4	37.9
Sales occupations	48.8	6,220	34.1	59.9	33.6	4.7	31.5	18.5	11.0	8.2	53.7	34.8	43.5
Administrative support, including clerical	76.7	13,505	27.9	50.6	37.5	3.7	33.3	16.0	12.4	8.7	11.7	46.2	36.6
Service occupations	14.7	2,126	15.2	31.3	31.5	2.7	20.9	7.5	9.1	6.6	11.6	20.5	18.7
Precision production, craft, and repair	23.2	2,976	32.0	45.3	29.2	9.9	26.1	16.4	11.0	14.4	9.6	20.6	28.2
Operators, fabricators, and laborers	14.9	2,382	15.3	51.8	18.3	6.1	17.0	12.5	6.5	7.1	9.6	11.4	16.4
Farming, forestry, and fishing	8.5	262	27.5	65.3	16.4	1.8	27.3	16.2	8.6	7.6	10.4	28.2	31.7
Family income⁴													
Less than \$20,000	25.1	5,224	24.4	46.6	28.8	5.1	27.4	15.5	12.1	9.4	18.7	33.1	30.6
\$20,000 to \$29,999	38.4	7,337	29.3	48.9	35.3	6.1	31.1	19.2	13.8	11.2	17.8	38.6	36.7
\$30,000 to \$39,999	45.7	8,911	32.3	47.1	35.7	6.9	31.5	20.6	15.1	11.8	15.0	40.7	37.1
\$40,000 to \$49,999	51.9	7,027	34.2	45.4	37.3	7.3	33.0	20.6	15.6	12.9	13.4	42.2	38.2
\$50,000 to \$74,999	60.6	12,643	40.4	43.4	42.2	8.9	37.5	24.4	17.8	14.6	15.2	47.6	43.7
\$75,000 or more	65.9	8,994	49.3	40.6	47.8	9.5	42.1	29.5	17.0	16.3	17.5	57.9	52.2

¹ Individuals may be counted in more than one computer activity.² Includes bulletin boards and electronic mail.³ Computer assisted design.⁴ Excludes persons whose income data were not available.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1993, unpublished data. (This table was prepared March 1994.)

**Table 417.—Access to and use of home computers, by selected characteristics of students and other users:
October 1993**

Selected characteristics	Percent with computers at home	Percent using computers at home	Distribution of frequency of use per week for persons using computers in home				Percent of persons whose home computer has specific components ¹				Percent of computer users using specific applications ²					
			6 or 7 days	4 or 5 days	2 or 3 days	1 day or less	Hard disk	Printer	Color monitor	Fax or modem	Communications ³	School assignments	Education programs	Games	Job-related	Word processing
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Total, all persons	27.1	17.6	14.7	17.1	33.3	34.9	80.7	75.8	68.2	38.5	33.5	28.3	34.6	34.9	23.8	53.2
Age																
Less than 25	30.8	21.0	11.1	15.5	36.2	37.3	79.5	75.2	69.1	36.2	8.4	48.9	38.1	57.2	3.1	37.7
25 to 29	23.4	16.6	16.8	18.4	33.4	31.3	83.5	68.5	66.3	44.2	48.0	22.6	30.0	21.1	35.2	63.4
30 to 39	30.7	21.0	16.2	17.9	33.2	32.7	82.3	74.0	70.3	42.3	51.2	15.6	34.2	22.2	38.6	61.9
40 to 49	36.4	23.0	16.9	17.9	30.9	34.3	80.9	79.4	69.6	39.0	48.6	15.7	33.5	19.1	39.1	65.1
50 to 59	27.1	15.8	17.7	19.8	27.9	34.7	80.2	79.2	65.0	37.1	50.9	9.5	30.8	19.5	37.2	64.7
60 or older	10.5	4.6	20.7	16.7	28.7	33.9	80.2	77.5	60.0	33.2	51.4	3.3	27.4	19.7	26.5	59.4
Family income																
Less than \$20,000	9.2	5.6	19.2	15.7	31.3	33.8	72.4	64.6	57.8	28.6	32.3	34.7	33.0	33.7	16.2	50.2
\$20,000 to \$29,999	18.5	11.3	16.6	16.6	33.9	32.9	74.6	73.0	62.8	32.1	33.8	28.4	37.8	36.8	21.2	50.2
\$30,000 to \$39,999	26.5	16.9	14.0	16.8	34.2	35.0	76.8	72.7	66.7	33.7	33.6	27.5	35.3	35.4	22.2	49.2
\$40,000 to \$49,999	35.2	22.9	13.9	16.6	33.8	35.7	81.6	77.2	71.4	37.5	31.4	26.0	32.8	35.4	21.0	48.9
\$50,000 to \$74,999	47.3	31.6	13.5	17.6	33.2	35.7	82.5	78.6	70.4	41.7	33.3	28.5	34.2	35.4	25.2	53.8
\$75,000 or more	62.8	42.4	14.3	17.9	33.0	34.8	87.6	80.1	72.2	46.1	35.3	26.9	35.0	33.6	29.1	60.2
Total, all students	36.1	26.5	12.4	16.3	36.3	35.1	80.6	76.3	69.9	37.5	11.8	55.1	39.1	55.1	5.7	41.8
Preprimary	29.6	15.3	4.7	10.7	39.5	45.0	82.3	72.0	69.6	40.9	0.7	4.1	62.0	86.6	0.0	5.1
1st to 8th grade	31.9	24.3	9.9	14.1	37.9	38.1	79.9	75.2	72.1	36.9	2.6	43.6	48.2	86.4	0.0	28.0
9th to 12th grade	37.2	28.1	11.6	17.7	37.3	33.3	77.7	78.0	69.7	34.6	7.1	73.0	26.6	32.9	2.3	47.6
Undergraduate	44.7	32.4	16.2	19.2	31.8	32.8	81.5	78.1	66.8	36.3	26.5	70.6	26.8	16.3	12.1	62.0
Graduate	60.4	51.8	25.5	21.4	33.2	20.0	89.4	77.9	67.8	50.3	47.8	69.5	39.2	21.9	37.0	80.1
Sex																
Male	36.2	26.9	15.1	17.0	34.1	33.7	81.0	76.1	70.5	38.7	12.7	54.1	39.4	57.8	6.1	40.1
Preprimary	28.5	14.8	6.0	13.1	37.3	43.6	82.7	71.1	71.0	41.3	0.4	5.8	61.3	90.7	0.0	4.4
1st to 8th grade	31.8	24.5	11.6	14.3	36.6	37.5	80.6	75.1	72.1	36.2	2.2	40.5	47.4	88.8	0.0	26.0
9th to 12th grade	36.6	27.6	15.0	19.7	33.4	31.9	77.5	77.8	69.7	36.5	8.5	72.5	27.4	34.3	2.3	45.1
Undergraduate	48.7	36.1	20.2	19.8	30.0	30.0	82.1	78.8	68.2	40.7	29.4	72.1	27.8	18.3	12.5	61.9
Graduate	62.6	55.2	31.0	20.7	30.2	18.1	89.7	75.0	69.2	51.8	53.6	71.6	42.1	25.1	42.4	80.6
Female	36.0	26.2	9.6	15.5	38.5	36.5	80.2	76.5	69.4	36.3	10.8	56.2	38.8	52.3	5.4	43.6
Preprimary	30.9	15.8	3.4	8.2	41.9	46.5	82.0	73.0	68.2	40.6	1.0	2.2	62.7	82.3	0.0	5.8
1st to 8th grade	32.1	24.2	8.0	13.8	39.4	38.7	79.2	75.2	72.1	37.6	3.1	46.9	49.1	83.9	0.0	30.2
9th to 12th grade	37.9	28.6	8.1	15.6	41.4	34.9	77.9	78.2	69.7	32.6	5.7	73.5	25.8	31.5	2.3	50.1
Undergraduate	41.5	29.4	12.3	18.6	33.5	35.6	80.9	77.5	65.6	32.0	23.7	69.0	25.8	14.3	11.8	62.1
Graduate	58.4	48.8	19.9	22.1	36.1	21.8	89.2	80.7	66.4	48.9	41.8	67.5	36.2	18.7	31.6	79.7
Race/ethnicity																
White, non-Hispanic ..	43.3	32.2	11.9	16.0	35.8	36.3	81.1	77.6	70.1	38.0	11.4	55.2	38.4	55.6	5.7	42.6
Preprimary	35.8	19.0	4.4	11.8	37.4	46.4	83.7	72.7	70.2	41.7	0.7	4.3	62.0	87.1	0.0	5.7
1st to 8th grade	39.6	30.8	9.7	13.8	37.1	39.5	80.5	76.8	72.3	37.5	2.7	43.8	47.2	87.0	0.0	28.9
9th to 12th grade	46.2	35.1	10.9	16.6	38.1	34.4	78.2	79.5	69.8	35.5	7.1	73.5	25.5	31.8	2.1	48.7
Undergraduate	49.4	35.5	15.8	19.3	31.2	33.7	81.9	79.2	67.0	36.4	26.1	71.2	25.5	15.5	13.2	64.0
Graduate	61.4	52.8	25.1	22.1	32.5	20.3	89.3	78.1	67.3	50.1	47.3	70.8	39.3	21.0	36.2	82.1
Black, non-Hispanic ..	16.1	10.8	13.8	16.8	37.0	32.4	73.8	64.8	68.4	34.5	14.2	53.0	50.8	56.3	7.4	33.9
Preprimary	12.3	4.1	5.9	2.9	53.6	37.7	67.9	59.2	66.9	39.3	0.0	0.0	76.7	85.7	0.0	0.0
1st to 8th grade	13.1	8.9	10.6	16.9	42.8	29.7	73.6	60.7	70.6	33.8	3.2	44.8	64.9	84.5	0.0	22.6
9th to 12th grade	14.6	10.3	12.6	22.0	29.0	36.4	71.4	59.7	61.5	21.2	3.7	67.9	36.1	40.4	5.6	27.2
Undergraduate	27.0	19.1	18.7	13.9	33.0	34.4	76.1	75.2	70.7	41.3	37.2	60.6	40.3	27.5	9.3	56.7
Graduate	56.7	47.6	21.7	18.8	32.2	27.3	82.3	75.3	69.5	48.6	37.4	60.3	35.8	24.9	47.9	60.2
Hispanic	15.2	10.3	13.9	21.1	39.6	25.5	74.7	73.0	63.0	32.7	17.2	54.9	34.7	51.2	5.2	35.3
Preprimary	11.7	5.6	7.9	6.8	36.7	48.6	70.5	75.5	53.8	29.7	0.0	0.0	39.6	71.1	0.0	0.0
1st to 8th grade	12.1	7.4	11.2	16.1	42.8	29.9	72.3	70.4	65.3	31.2	0.8	38.9	40.4	84.7	0.0	17.6
9th to 12th grade	14.4	9.6	13.7	33.2	29.6	23.5	71.5	76.9	67.4	31.2	15.8	68.7	27.7	41.3	2.4	47.1
Undergraduate	27.3	21.9	15.0	22.4	42.1	20.5	78.2	70.5	55.5	31.4	30.8	73.1	30.3	12.7	5.8	47.5
Graduate	56.3	52.2	28.5	16.5	44.4	10.6	95.1	84.9	77.9	58.8	69.8	71.8	39.6	37.7	43.5	75.4
Family income																
Less than \$20,000	15.2	10.9	18.5	16.0	34.1	31.3	74.9	65.9	57.9	29.2	20.4	62.0	35.3	44.0	8.4	47.6
\$20,000 to \$29,999	25.5	18.6	13.4	16.8	38.6	31.2	72.7	71.8	63.7	31.1	13.0	53.3	41.2	51.5	7.0	38.6
\$30,000 to \$39,999	34.3	25.1	11.9	15.4	38.2	34.6	76.3	73.2	67.5	32.8	11.5	55.3	41.0	54.1	6.9	36.9
\$40,000 to \$49,999	42.6	31.5	10.9	16.7	37.0	35.3	80.4	78.8	74.0	36.0	8.9	53.2	38.1	61.3	4.8	35.7
\$50,000 to \$74,999	55.9	42.0	10.5	17.3	34.1	38.1	82.8	79.9	73.4	41.8	10.1	54.1	38.1	56.9	4.4	41.9
\$75,000 or more	73.7	54.1	12.1	15.2	37.2	35.5	87.8	80.5	74.6	43.6	10.4	54.5	40.8	57.9	4.9	46.7

¹ Data are for the most recently purchased computer for families with more than one computer. Percent based on persons who have a computer in their home.

² Individuals may be counted in more than one computer activity.

³ Includes bulletin boards and electronic mail.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1993, unpublished data. (This table was prepared May 1994.)

**Table 418.—Student use of computers, by level of instruction and selected characteristics:
October 1984, 1989, and 1993**

Student and school characteristics	October 1984 Total	October 1989						October 1993					
		Total	Prekindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college	Total	Prekindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Percent of students using computers at school													
Total	27.3	42.7	14.7	52.3	39.2	39.2	40.7	59.0	26.2	68.9	58.2	55.2	52.1
Sex													
Male	29.0	43.5	13.9	52.9	38.7	42.1	47.0	59.4	25.9	69.5	56.5	57.5	56.7
Female	25.5	41.9	15.6	51.7	39.8	36.8	34.9	58.7	26.5	68.4	60.0	53.3	47.8
Race/ethnicity													
White, non-Hispanic	30.0	45.7	17.0	58.4	40.6	40.0	39.6	61.6	29.4	73.7	59.9	54.9	49.8
Black, non-Hispanic	16.8	32.6	7.4	35.7	36.0	35.1	35.2	51.5	16.5	56.5	54.5	56.9	57.9
Hispanic	18.6	34.9	10.1	40.2	33.6	32.4	37.8	52.3	19.2	58.4	54.1	51.9	53.7
Other	28.6	42.7	8.5	47.0	41.4	43.9	58.0	59.0	23.5	65.7	57.3	60.9	69.4
Household income													
Less than \$5,000	18.7	36.7	8.5	40.4	35.6	40.1	53.5	51.2	19.6	55.0	50.6	61.7	66.7
\$5,000 to 9,999	21.0	36.1	9.2	40.3	32.7	40.5	60.2	53.3	24.4	60.3	51.9	53.9	56.2
\$10,000 to 14,999	22.4	38.4	14.6	44.4	39.1	30.8	55.2	56.4	20.1	64.7	56.7	50.7	76.1
\$15,000 to 19,999	25.9	41.5	11.9	50.9	34.8	39.6	44.0	58.1	23.8	67.5	57.4	51.2	58.5
\$20,000 to 24,999	26.7	42.4	14.6	51.8	40.1	32.5	44.4	56.4	23.7	64.3	53.0	57.4	58.4
\$25,000 to 29,999	30.5	46.1	16.1	56.4	43.8	40.4	42.1	60.0	28.0	70.1	60.3	51.5	58.0
\$30,000 to 34,999	30.5	44.2	17.4	56.8	37.8	37.1	33.3	59.1	23.7	69.6	59.7	51.7	45.3
\$35,000 to 39,999	32.3	45.2	16.1	58.3	41.5	34.5	45.3	60.7	27.1	72.1	61.7	49.2	47.9
\$40,000 to 49,999	32.8	44.7	15.4	59.7	36.7	38.1	35.4	59.3	28.5	70.3	57.2	53.9	48.6
\$50,000 to 74,999	35.5	47.0	16.2	61.2	44.6	43.4	31.8	62.6	28.6	75.6	61.5	57.4	44.2
\$75,000 or more	36.0	51.2	21.2	67.0	45.8	49.6	31.0	64.6	33.5	78.7	62.5	60.9	47.7
Control of school													
Public	27.4	43.3	16.4	51.9	39.0	37.5	41.3	60.2	30.1	68.6	58.1	53.9	54.1
Private	26.5	38.9	11.8	56.6	42.6	46.3	39.7	52.1	18.7	72.5	60.7	60.7	48.0
Percent of students using computers at home													
Total	11.5	18.8	10.2	17.8	20.7	21.3	33.4	27.0	15.6	24.7	28.7	32.8	52.6
Sex													
Male	14.0	20.7	11.0	18.7	23.9	25.4	36.0	27.4	15.1	24.8	28.2	36.6	56.1
Female	9.0	17.0	9.3	16.9	17.4	18.0	31.1	26.6	16.1	24.6	29.2	29.7	49.5
Race/ethnicity													
White, non-Hispanic	13.7	22.7	12.2	22.3	25.3	23.6	35.6	32.8	19.4	31.4	35.9	36.0	53.6
Black, non-Hispanic	4.9	7.3	3.7	6.8	8.5	9.1	18.6	10.9	4.2	9.0	10.4	19.4	48.1
Hispanic	3.6	7.5	3.4	6.6	8.2	11.5	27.1	10.4	5.7	7.5	9.8	22.0	52.2
Other	9.0	18.8	9.9	16.6	21.6	23.7	24.7	28.7	17.0	23.2	37.0	33.0	47.1
Household income													
Less than \$5,000	2.9	8.4	4.5	4.1	6.6	17.7	29.4	9.7	1.1	4.1	6.8	25.6	45.2
\$5,000 to 9,999	3.2	5.4	1.0	2.7	4.4	14.2	28.4	8.0	0.9	4.5	5.3	21.3	45.6
\$10,000 to 14,999	5.0	7.2	1.9	6.2	6.5	11.8	26.5	11.4	4.6	6.4	8.7	29.8	50.0
\$15,000 to 19,999	7.5	11.3	3.2	9.2	13.6	15.8	33.6	15.1	6.9	10.9	14.1	28.9	43.0
\$20,000 to 24,999	9.9	12.9	6.8	11.6	13.6	16.9	32.2	16.8	7.4	13.1	17.9	27.7	49.6
\$25,000 to 29,999	12.8	17.0	11.9	16.5	17.1	19.2	29.6	21.1	12.3	19.3	22.0	26.1	47.0
\$30,000 to 34,999	15.8	17.7	8.0	17.6	20.2	19.4	30.7	24.1	18.7	20.5	29.1	26.4	44.4
\$35,000 to 39,999	19.4	21.4	8.7	22.2	25.1	22.1	26.5	27.1	13.0	26.3	28.1	32.7	52.7
\$40,000 to 49,999	20.4	25.7	14.8	27.5	27.7	21.7	40.7	32.2	21.6	32.9	33.9	32.5	45.9
\$50,000 to 74,999	24.2	31.6	20.6	33.8	34.3	27.6	41.1	43.0	25.5	45.3	46.4	40.1	58.2
\$75,000 or more	22.1	43.8	25.2	50.9	53.4	33.9	41.4	56.1	38.2	62.3	61.0	47.0	64.7
Control of school													
Public	11.2	17.9	8.3	16.8	19.7	20.7	32.2	25.3	12.1	23.0	27.2	31.9	50.0
Private	13.8	24.4	13.4	27.7	35.9	23.8	35.9	37.4	22.4	41.5	47.2	36.9	57.7
Percent of students using computers at home for school work													
Total	4.6	8.9	0.6	6.3	12.2	13.7	23.9	14.9	0.6	10.8	20.9	23.1	36.6
Sex													
Male	5.9	9.5	0.6	6.3	13.6	16.0	25.9	14.8	0.9	10.1	20.5	26.3	40.3
Female	3.3	8.3	0.6	6.2	10.8	11.7	22.0	15.0	0.4	11.5	21.4	20.5	33.2
Race													
White, non-Hispanic	5.4	10.7	0.6	7.7	15.2	15.1	25.5	18.2	0.8	13.8	26.5	25.7	37.8
Black, non-Hispanic	2.3	3.4	0.9	2.7	4.0	6.2	12.6	5.7	—	4.0	6.9	11.5	30.1
Hispanic	1.4	3.6	—	2.8	4.4	6.4	24.8	5.6	—	2.9	6.7	15.9	36.8
Other	3.8	9.1	—	5.8	13.4	15.5	14.8	16.0	1.1	9.3	27.0	23.7	29.2
Household income													
Less than \$5,000	1.0	5.0	—	1.5	4.1	12.6	23.8	6.7	—	2.5	4.0	18.7	36.0
\$5,000 to 9,999	1.5	3.2	—	0.6	2.6	10.3	26.5	4.8	—	1.1	3.6	16.1	35.5
\$10,000 to 14,999	1.9	3.5	0.7	1.8	3.6	8.1	19.3	7.3	—	2.6	5.6	25.9	34.6
\$15,000 to 19,999	3.0	4.5	—	2.1	5.2	9.3	30.2	8.6	0.4	4.7	10.8	18.7	31.0
\$20,000 to 24,999	3.1	5.7	0.3	3.8	7.6	10.5	23.8	9.8	0.7	5.1	12.6	22.9	35.0
\$25,000 to 29,999	5.1	6.4	0.3	4.1	8.2	12.3	19.7	10.4	1.1	6.3	13.4	19.5	34.9
\$30,000 to 34,999	4.9	8.0	0.1	5.7	12.0	12.8	19.8	13.0	0.8	8.1	21.9	18.0	35.1
\$35,000 to 39,999	7.1	10.5	1.2	7.9	15.0	15.9	18.7	15.4	0.8	12.4	21.0	22.6	37.2
\$40,000 to 49,999	9.2	11.9	0.7	9.7	17.1	14.3	29.4	17.1	1.1	14.7	24.2	22.2	32.1
\$50,000 to 74,999	11.5	15.2	0.8	12.7	21.2	17.5	28.5	23.2	1.0	19.7	35.0	27.0	38.2
\$75,000 or more	9.8	22.0	2.4	21.9	34.2	21.2	22.2	30.4	0.8	29.4	45.2	30.6	41.5
Control of school													
Public	4.5	8.5	0.6	5.9	11.5	13.1	22.2	14.2	0.5	10.1	19.8	22.7	34.7
Private	5.4	11.4	0.5	9.4	23.6	15.8	27.1	18.8	1.0	17.8	35.4	24.8	40.1

—Data not available.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1984, 1989, and 1993, unpublished data. (This table was prepared April 1994.)